FORM 17 Rev 6/08

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2100 Fax: (303) 894-2109

FOR OGCC USE ONLY

BRADENHEAD TEST REPORT

Step 1. Record all tubing and casing pressures as found.
Step 2. Sample now, if intermediate or surface casing pressure >25 psi. In sensitive areas, 1 psi.
Step 3. Conduct Bradenhead test.
Step 4. Conduct intermediate casing test.
Step 5. Send report to BLM within 30 days and to OGCC within 10 days. Include wellbore diagram if not previously submitted or if wellbore configuration has changed since prior program. Attach gas and liquid analyses if sampled.

1. OGCC Operator Number: 10112
2. Name of Operator: Foundation Energy Management
3. BLM Lease No:
4. API Number:
5. Multiple completion? ☐ Yes ☐ No
6. Well Name: PUNCH FEDERAL Number: 21-3
7. Location (QtrQtr, Sec, Twp, Rng, Meridian):
8. County:
9. Field Name:
10. Minerals: ☐ Fee ☐ State ☐ Federal ☐ Indian

11. Date of Test: 5/5/2021

12. Well Status: ☐ Flowing ☒ Shut In ☐ Gas Lift ☐ Pumping ☐ Injection ☐ Clock/Intermitter ☐ Plunger Lift

13. Number of Casing Strings: ☒ Two ☐ Three ☐ Liner?

14. **STEP 1: EXISTING PRESSURES**

Record all pressures as found	Tubing: Fm: 300#	Tubing: Fm:	Prod. Casing: Fm: 300#	Intermediate Csg:	Surface Casing: 2#

15. **STEP 2:** See instructions above.

16. **STEP 3: BRADENHEAD TEST**

Buried valve? ☐ Yes ☒ No Confirmed open? ☐ Yes ☐ No

With gauges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenhead) valve (if no intermediate casing, monitor only the production casing and tubing pressures.) Record pressures at five minute intervals. Define characteristics of flow in "Bradenhead Flow" column using letter designations below:

O = No Flow; C = Continuous; D = Down to 0; V = Vapor
H = Water H2O; M = Mud; W = Whisper; S = Surge; G =Gas

BRADENHEAD SAMPLE TAKEN?
☐ Yes ☒ No ☐ Gas ☐ Liquid

Character of Bradenhead fluid: ☐ Clear ☐ Fresh ☐ Sulfur ☐ Salty ☐ Black ☐ Other: (describe)

Sample cylinder number:

Elapsed Time (Min:Sec)	Fm: Tubing	Fm: Tubing	Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow
00:	300#		300#		D
05:	300#		300#		O
10:	300#		300#		O
15:	300#		300#		O
20:	300#		300#		O
25:	300#		300#		O
30:	300#		300#		O

Note instantaneous Bradenhead PSIG at end of test: > 0

17. **STEP 4: INTERMEDIATE CASING TEST**

Buried valve? ☐ Yes ☐ No Confirmed open? ☐ Yes ☐ No

With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below:

O = No Flow; C = Continuous; D = Down to 0; V = Vapor
H = Water H2O; M = Mud; W = Whisper; S = Surge; G =Gas

INTERMEDIATE SAMPLE TAKEN?
☐ Yes ☐ No ☐ Gas ☐ Liquid

Character of Intermediate fluid: ☐ Clear ☐ Fresh ☐ Sulfur ☐ Salty ☐ Black ☐ Other: (describe)

Sample cylinder number:

Elapsed Time (Min:Sec)	Fm: Tubing	Fm: Tubing	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow
00:					
05:					
10:					
15:					
20:					
25:					
30:					

Note instantaneous Intermediate Casing PSIG at end of test: >

18. Comments:

19. **STEP 5:** See instructions above.

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Test Performed by: Mike Barnes Title: Phone:

Signed: Mike Barnes Title: Date: 5/5/2021

WITNESSED BY: Title: Agency: